

**SPICE MILL WITH MEANS FOR INFINITELY  
SETTING THE GRINDING FINENESS**

ABSTRACT OF THE DISCLOSURE

10        The present invention provides a spice mill, in particular a pepper mill, having an improved design for setting the fineness of ground particles produced by the mill. Outer grinding teeth are located within a fixed seat. The fixed seat is connected to a rotating seat by means of a convex annular bead and a concave annular groove, thereby preventing movement of the rotating seat away from the fixed seat when the rotating seat is rotated in order to set the  
15        fineness of the ground particles. Inner grinding teeth are positioned within the outer grinding teeth and supported by a lift seat. Spokes on the lift seat are positioned within guide grooves located on the inner wall of the fixed seat whereby, on rotation of the rotating seat, the lift seat is moved upward or downward and the inner grinding teeth are shifted upwards or downwards, thereby setting the size and the fineness of the ground particles produced by the mill.